



## PATENT ABSTRACTS OF JAPAN

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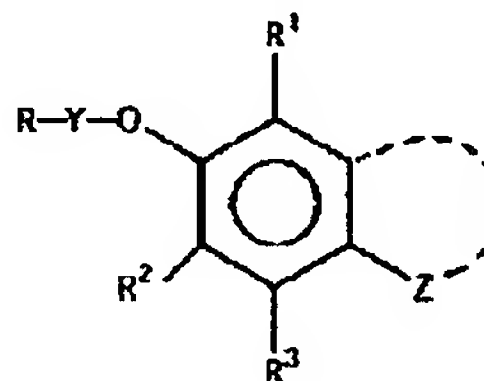
**C07D311/72****B41M 5/26****B41M 5/30****B41M 5/28****C07D307/79****C07D311/96****C07D493/10****G03C 1/61**(21) Application number: **08120528**(22) Date of filing: **15.05.96**(71) Applicant: **FUJI PHOTO FILM CO LTD**(72) Inventor: **YAMADA HISAO  
MATSUSHITA TETSUNORI  
SANO MASAJIRO**(54) **CHROMAN-BASED COMPOUND AND  
HEAT-SENSITIVE RECORDING MATERIAL USING  
THE SAME**

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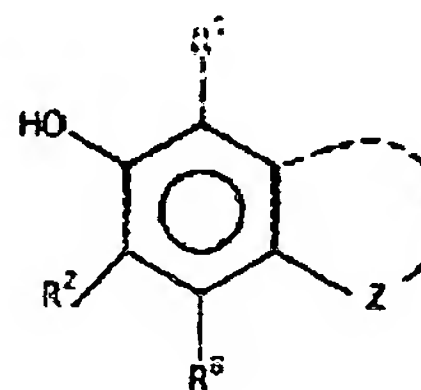
(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a new chroman-based compound capable of producing a heat-sensitive recording material excellent in light resistance of an image part and a non-image part and useful as a coupler of a heat-sensitive recording material by utilizing the compound as the coupler of the heat-sensitive recording material.

SOLUTION: This compound is represented by formula I [R is an aminocarbonyl, an acylamino, an aminocarboxy, an aminocarbamoyl, a sulfonamide, etc.; R<sup>1</sup> to R<sup>3</sup> are each H, a halogen, a (substituted) alkyl, an alkoxy, etc.; Y is a divalent group; Z is chroman or an atomic group necessary to form the chroman ring, e.g. 2,5,7,8-tetramethyl-2-hexadesyl-6-[5-(N,N-dibutylaminocarbonyl)pentyl]oxy]chroman. The compound of formula I is obtained by reacting a compound of formula II with a compound of the formula R-Y-X (X is Cl, Br or I) in the presence of a base.



I



II